

Nuerguli Kari

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2851766/publications.pdf>

Version: 2024-02-01

19
papers

220
citations

1040056

9
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation and metal-complexation behaviour of THPP porphyrin in ethanol/water solutions as function of pH. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 235-248.	3.9	29
2	Highly sensitive free-base-porphyrin-based thin-film optical waveguide sensor for detection of low concentration NO ₂ gas at ambient temperature. <i>Journal of Materials Science</i> , 2018, 53, 10822-10834.	3.7	29
3	The fabrication and gas sensing application of a fast-responding m-CP-PVP composite film/potassium ion-exchanged glass optical waveguide. <i>Analytical Methods</i> , 2017, 9, 5494-5501.	2.7	20
4	Room-temperature H ₂ S Gas Sensor Based on Au-doped ZnFe ₂ O ₄ Yolk-shell Microspheres. <i>Analytical Sciences</i> , 2017, 33, 945-951.	1.6	17
5	A Functionalized Tetrakis(4-Nitrophenyl)Porphyrin Film Optical Waveguide Sensor for Detection of H ₂ S and Ethanediamine Gases. <i>Sensors</i> , 2017, 17, 2717.	3.8	16
6	Optochemical properties of gas-phase protonated tetraphenylporphyrin investigated using an optical waveguide NH ₃ sensor. <i>RSC Advances</i> , 2018, 8, 5614-5621.	3.6	16
7	Highly sensitive optical waveguide sensor for SO ₂ and H ₂ S detection in the parts-per-trillion regime using tetraaminophenyl porphyrin. <i>Journal of Modern Optics</i> , 2020, 67, 507-514.	1.3	13
8	Study on surface sensitization of g-C ₃ N ₄ by functioned different aggregation behavior porphyrin and its optical properties. <i>Materials Science in Semiconductor Processing</i> , 2021, 121, 105316.	4.0	13
9	5, 10, 15, 20-tetrakis-(4-methoxyphenyl) porphyrin film/K ⁺ ion-exchanged optical waveguide gas sensor. <i>Optics and Laser Technology</i> , 2020, 128, 106260.	4.6	11
10	Application of bromocresol purple nanofilm and laser light to detect mutton freshness. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118863.	3.9	10
11	Detection of Trimethylamine Based on a Manganese Tetraphenylporphyrin Optical Waveguide Sensing Element. <i>Analytical Sciences</i> , 2018, 34, 559-565.	1.6	9
12	Sensing Behavior of Metal-Free Porphyrin and Zinc Phthalocyanine Thin Film towards Xylene-Styrene and HCl Vapors in Planar Optical Waveguide. <i>Nanomaterials</i> , 2021, 11, 1634.	4.1	7
13	Fast fabrication and gas-sensing characteristics of petal-like Co-MOF membrane optical waveguide. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130342.	7.8	7
14	Metallic Effects on p-Hydroxyphenyl Porphyrin Thin-Film-Based Planar Optical Waveguide Gas Sensor: Experimental and Computational Studies. <i>Nanomaterials</i> , 2022, 12, 944.	4.1	6
15	Substituent Effect on Porphyrin Film-Gas Interaction by Optical Waveguide: Spectrum Analysis and Molecular Dynamic Simulation. <i>Materials</i> , 2020, 13, 5613.	2.9	5
16	Tetrahydroxyphenyl porphyrin membrane: a high-sensitivity optical waveguide gas sensor for NO ₂ detection. <i>Measurement Science and Technology</i> , 2020, 31, 055105.	2.6	5
17	Optical and gas-sensing property enhancement of membranes based on lithium iron phosphate particles with different dispersants. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	3
18	Photoelectric conversion and protonation in sensor detection of SO ₂ and H ₂ S using graphene oxide-tetrakis(4-carboxyphenyl) porphyrin. <i>Journal of Applied Remote Sensing</i> , 2020, 14, 1.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Planar optical waveguide-based dimethylamine sensor with cresol red/TiO ₂ composite thin film. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 601.	2.1	2